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ABSTRACT OF THE DISCLOSURE

A method and apparatus are described for utilizing fuels, residues and waste by gasification in a free-flowing stream under normal or increased pressure at temperatures higher than 900°C, preferably between 1100 and 1600°C, with a gasifying medium containing free oxygen, in which the fuels, residues and waste are completely vaporized by the direct or
5 indirect supply of heat and then fed in vapor form to a gasification reactor.